

Table B-7
Analytical Results of SVOCs in Groundwater Samples

Analyte	EPA MCLs ^a	EPA Region 9 Tap Water PRGs ^b	EPA AWQC ^c	MC-001 9/14/01	MC-002 9/15/01	MC-302 9/15/01 Duplicate	MC-003 9/14/01	MC-004 9/14/01
SVOCs (mg/L)								
1,2,4-Trichlorobenzene	70	190	260	0.0152 UJ	0.0151 UJ	0.0153 UJ	0.0151 UJ	0.0152 UJ
1,2-Dichlorobenzene	NE	370	2,700	0.0152 UJ	0.0151 UJ	0.0153 UJ	0.0151 UJ	0.0152 UJ
1,3-Dichlorobenzene	NE	52	400	0.0162 UJ	0.0161 UJ	0.0162 UJ	0.0161 UJ	0.0161 UJ
1,4-Dichlorobenzene	NE	8.1	400	0.0143 UJ	0.0142 UJ	0.0143 UJ	0.0142 UJ	0.0142 UJ
2,4,5-Trichlorophenol	NE	3,600	NE	0.0105 U	0.0104 U	0.0105 U	0.0104 U	0.0104 U
2,4,6-Trichlorophenol	NE	6.1	2.1	0.0114 U	0.0114 U	0.0115 U	0.0113 U	0.0114 U
2,4-Dichlorophenol	NE	110	NE	0.0143 U	0.0142 U	0.0143 U	0.0142 U	0.0142 U
2,4-Dimethylphenol	NE	730	NE	0.0143 U	0.0142 U	0.0143 U	0.0142 U	0.0142 U
2,4-Dinitrophenol	NE	73	NE	0.0286 U	0.0284 U	0.0286 U	0.0283 U	0.0284 U
2,4-Dinitrotoluene	NE	73	0.11	0.0124 U	0.0123 U	0.0124 U	0.0123 U	0.0123 U
2,6-Dinitrotoluene	NE	36	NE	0.019 U	0.0189 U	0.0191 U	0.0189 U	0.0189 U
2-Chloronaphthalene	NE	490	1,700	0.0013 UJ	0.00129 UJ	0.0013 UJ	0.00129 UJ	0.00129 UJ
2-Chlorophenol	NE	30	NE	0.0162 U	0.0161 U	0.0162 U	0.0161 U	0.0161 U
2-Methylnaphthalene	NE	NE	NE	0.00145 UJ	0.00144 UJ	0.00145 UJ	0.00144 UJ	0.00144 UJ
2-Methylphenol	NE	1,800	NE	0.0229 U	0.0227 U	0.0229 U	0.0208 U	0.0227 U
2-Nitroaniline	NE	2.1	NE	0.0171 U	0.017 U	0.0172 U	0.017 U	0.017 U
2-Nitrophenol	NE	NE	NE	0.021 U	0.0208 U	0.021 U	0.0208 U	0.0208 U
3,3'-Dichlorobenzidine	NE	0.15	0.04	0.0343 UJ	0.0341 UJ	0.0344 UJ	0.034 UJ	0.0341 UJ
3- & 4-Methylphenol	NE	180	NE	0.0219 U	0.0218 U	0.0219 U	0.0217 U	0.0218 U
3-Nitroaniline	NE	NE	NE	0.0314 U	0.0312 U	0.0315 U	0.0312 U	0.0313 U
4,6-Dinitro-2-methylphenol	NE	NE	NE	0.021 U	0.0208 U	0.021 U	0.0208 U	0.0208 U
4-Bromophenylphenylether	NE	NE	NE	0.0114 U	0.0114 U	0.0115 U	0.0113 U	0.0114 U
4-Chloro-3-methylphenol	NE	NE	NE	0.0514 U	0.0511 U	0.0515 U	0.051 U	0.0511 U
4-Chloroaniline	NE	150	NE	0.0371 UJ	0.0369 UJ	0.0372 UJ	0.0368 UJ	0.0369 UJ
4-Chlorophenylphenylether	NE	NE	NE	0.0143 UJ	0.0142 UJ	0.0143 UJ	0.0142 UJ	0.0142 UJ
4-Nitroaniline	NE	NE	NE	0.0295 U	0.0293 U	0.0296 U	0.0293 U	0.0294 U
4-Nitrophenol	NE	290	NE	0.0274 UJ	0.0274 UJ	0.0277 UJ	0.0274 UJ	0.0275 UJ
Acenaphthene	NE	370	1,200	0.0015 U	0.00149 U	0.0015 U	0.00148 U	0.00149 U
Acenaphthylene	NE	NE	NE	0.00145 U	0.00144 U	0.00145 U	0.00144 U	0.00144 U
Acetophenone	NE	0.042	NE	0.0159 U	0.0159 U	0.0159 U	0.0159 U	0.0159 U
Anthracene	NE	1,800	9,600	0.00145 U	0.00144 U	0.00145 U	0.00144 U	0.00144 U
Atrazine	3	0.3	NE	0.0371 U	0.0371 U	0.0371 U	0.0371 U	0.0371 U
Benzaldehyde	NE	3,600	NE	0.0246 UJ	0.0246 UJ	0.0246 UJ	0.0246 UJ	0.0246 UJ
Benzo(a)anthracene	NE	0.092	0.0044	0.00417 U	0.00414 U	0.00417 U	0.00413 U	0.00414 U
Benzo(a)pyrene	0.2	0.0092	0.0044	0.00447 U	0.00444 U	0.00448 U	0.00444 U	0.00445 U
Benzo(b)fluoranthene	NE	0.092	0.0044	0.00278 U	0.00276 U	0.00278 U	0.00275 U	0.00276 U
Benzo(g,h,i)perylene	NE	NE	NE	0.00326 U	0.00324 U	0.00327 U	0.00323 U	0.00324 U
Benzo(k)fluoranthene	NE	0.92	0.0044	0.00365 U	0.00362 U	0.00365 U	0.00362 U	0.00363 U
Benzofluoranthenes	NE	NE	NE	--	--	--	--	--
Benzoic acid	NE	150,000	NE	0.019 U	0.0189 U	0.18	0.13	0.0189 U
Benzyl alcohol	NE	11,000	NE	0.0305 U	0.0303 U	0.0305 U	0.0302 U	0.0303 U
Biphenyl	NE	300	NE	0.0104 UJ	0.0104 UJ	0.0104 UJ	0.0104 UJ	0.0104 UJ
bis(2-Chloroethoxy)methane	NE	NE	NE	0.0171 U	0.017 U	0.0172 U	0.017 U	0.017 U
bis(2-Chloroethyl)ether	NE	0.0098	0.031	0.0181 UJ	0.018 UJ	0.0181 UJ	0.0179 UJ	0.0199 UJ
bis(2-Chloroisopropyl)ether	NE	8.1	1,400	0.02 U	0.0199 U	0.02 U	0.0198 U	0.018 U
bis(2-Ethylhexyl)phthalate	6	4.8	1.8	0.0619 U	0.0615 U	0.062 U	0.0614 U	0.0616 U
Butylbenzylphthalate	NE	7,300	3,000	0.178 U	0.177 U	0.178 U	0.177 U	0.177 U
Carbazole	NE	3.4	NE	0.0267 U	0.0265 U	0.0267 U	0.0264 U	0.0265 U
Caprolactum	NE	18,000	NE	1.039 UR	1.039 UR	1.039 UR	1.039 UR	1.039 UR
Chrysene	NE	9.2	0.0044	0.00234 U	0.00232 U	0.00234 U	0.00232 U	0.00232 U
Di-n-butylphthalate	NE	NE	2,700	0.22 U	0.219 U	0.22 U	0.218 U	0.219 U
Di-n-octylphthalate	NE	730	NE	0.0324 U	0.0322 U	0.0324 U	0.0321 U	0.0322 U
Dibenzo(a,h)anthracene	NE	0.0092	0.0044	0.00256 U	0.00255 U	0.00257 U	0.00254 U	0.00255 U
Dibenzofuran	NE	24	NE	0.0133 UJ	0.0132 UJ	0.0134 UJ	0.0132 UJ	0.0133 UJ
Diethylphthalate	NE	29,000	23,000	0.0552 U	0.0549 U	0.0553 U	0.0548 U	0.0549 U
Dimethylphthalate	NE	360,000	313,000	0.0152 U	0.0151 U	0.0153 U	0.0151 U	0.0152 U
Fluoranthene	NE	1,500	300	0.00179 U	0.00178 U	0.0018 U	0.00178 U	0.00178 U
Fluorene	NE	240	1,300	0.0013 U	0.00129 U	0.0013 U	0.00129 U	0.00129 U
Hexachlorobenzene	1	0.042	0.00075	0.019 UJ	0.0189 UJ	0.0191 UJ	0.0189 UJ	0.0189 UJ
Hexachlorobutadiene	NE	0.86	0.44	0.0276 U	0.0274 U	0.0277 U	0.0274 U	0.0275 U
Hexachlorocyclopentadiene	50	260	240	0.0248 UJ	0.0246 UJ	0.0248 UJ	0.0246 UJ	0.0246 UJ
Hexachloroethane	NE	4.8	1.9	0.0381 UJ	0.0378 UJ	0.0382 UJ	0.0378 UJ	0.0379 UJ
Indeno(1,2,3-cd)pyrene	NE	0.092	0.0044	0.0029 U	0.00288 U	0.0029 U	0.00287 U	0.00288 U
Isophorone	NE	71	36	0.0171 U	0.017 U	0.0172 U	0.017 U	0.017 U
n-Nitrosodiphenylamine	NE	14	5	0.00952 U	0.00947 U	0.00954 U	0.00944 U	0.00947 U
n-Nitroso-di-n-propylamine	NE	0.0096	0.005	0.02 U	0.0199 U	0.02 U	0.0198 U	0.0199 U
Naphthalene	NE	6.2	NE	0.00208 UJ	0.00207 UJ	0.00209 UJ	0.00207 UJ	0.00207 UJ
Nitrobenzene	NE	3.4	17	0.0429 UJ	0.0426 UJ	0.0429 UJ	0.0425 UJ	0.0426 UJ
Pentachlorophenol	1	0.56	NE	0.0162 U	0.0161 U	0.0162 U	0.0161 U	0.0161 U
Phenanthrene	NE	NE	NE	0.00212 U	0.0021 U	0.00212 U	0.0021 U	0.0021 U
Phenol	NE	22,000	NE	0.0305 UJ	0.0303 UJ	0.0305 UJ	0.0302 UJ	0.0303 UJ
Pyrene	NE	180	960	0.0013 U	0.00129 U	0.0013 U	0.00129 U	0.00129 U

Table B-7
Analytical Results of SVOCs in Groundwater Samples

Analyte	EPA MCLs ^a	EPA Region 9 Tap Water PRGs ^b	EPA AWQC ^c	MC-005 9/14/01	MW-001 9/14/01	MW-001 4/11/2003	MW-002 9/15/01	MW-002 4/10/2003
SVOCs (mg/L)								
1,2,4-Trichlorobenzene	70	190	260	0.0152 UJ	0.0151 UJ	0.0961 U	0.0151 UJ	0.108 U
1,2-Dichlorobenzene	NE	370	2,700	0.0152 UJ	0.0151 UJ	0.0961 U	0.0151 UJ	0.108 U
1,3-Dichlorobenzene	NE	52	400	0.0161 UJ	0.0161 UJ	0.0961 U	0.0161 UJ	0.108 U
1,4-Dichlorobenzene	NE	8.1	400	0.0142 UJ	0.0142 UJ	0.0961 U	0.0142 UJ	0.108 U
2,4,5-Trichlorophenol	NE	3,600	NE	0.0104 U	0.0104 U	0.0961 U	0.0104 U	0.108 U
2,4,6-Trichlorophenol	NE	6.1	2.1	0.0114 U	0.0113 U	0.0961 U	0.0113 U	0.108 U
2,4-Dichlorophenol	NE	110	NE	0.0142 U	0.0142 U	0.0961 U	0.0142 U	0.108 U
2,4-Dimethylphenol	NE	730	NE	0.0142 U	0.0142 U	0.0961 U	0.0142 U	0.108 U
2,4-Dinitrophenol	NE	73	NE	0.0284 U	0.0283 U	0.48 U	0.0284 U	0.542 U
2,4-Dinitrotoluene	NE	73	0.11	0.0123 U	0.0123 U	0.0961 U	0.0123 U	0.108 U
2,6-Dinitrotoluene	NE	36	NE	0.019 U	0.0189 U	0.0961 U	0.0189 U	0.108 U
2-Chloronaphthalene	NE	490	1,700	0.00129 UJ	0.00129 UJ	0.00961 U	0.00129 UJ	0.0108 U
2-Chlorophenol	NE	30	NE	0.0161 U	0.0161 U	0.0961 U	0.0161 U	0.108 U
2-Methylnaphthalene	NE	NE	NE	0.00144 UJ	0.00144 UJ	0.024 U	0.00144 UJ	0.0271 U
2-Methylphenol	NE	1,800	NE	0.0227 U	0.0208 U	0.0961 U	0.0227 U	0.108 U
2-Nitroaniline	NE	2.1	NE	0.0171 U	0.017 U	0.0961 U	0.017 U	0.108 U
2-Nitrophenol	NE	NE	NE	0.0209 U	0.0208 U	0.0961 U	0.0208 U	0.108 U
3,3'-Dichlorobenzidine	NE	0.15	0.04	0.0341 UJ	0.034 UJ	0.0961 U	0.034 UJ	0.108 U
3- & 4-Methylphenol	NE	180	NE	0.0218 U	0.0217 U	0.192 U	0.0217 U	0.217 U
3-Nitroaniline	NE	NE	NE	0.0313 U	0.0312 U	0.192 U	0.0312 U	0.108 U
4,6-Dinitro-2-methylphenol	NE	NE	NE	0.0209 U	0.0208 U	0.48 U	0.0208 U	0.542 U
4-Bromophenylphenylether	NE	NE	NE	0.0114 U	0.0113 U	0.0961 U	0.0113 U	0.108 U
4-Chloro-3-methylphenol	NE	NE	NE	0.0512 U	0.051 U	0.0961 U	0.051 U	0.108 U
4-Chloroaniline	NE	150	NE	0.037 UJ	0.0368 UJ	0.0961 U	0.0369 UJ	0.108 U
4-Chlorophenylphenylether	NE	NE	NE	0.0142 UJ	0.0142 UJ	0.0961 U	0.0142 UJ	0.108 U
4-Nitroaniline	NE	NE	NE	0.0294 U	0.0293 U	0.0961 U	0.0293 U	0.108 U
4-Nitrophenol	NE	290	NE	0.0275 UJ	0.0274 UJ	0.48 U	0.0274 UJ	0.542 U
Acenaphthene	NE	370	1,200	0.00149 U	0.00148 U	0.00961 U	0.00149 U	0.0108 U
Acenaphthylene	NE	NE	NE	0.00144 U	0.00144 U	0.00961 U	0.00144 U	0.0108 U
Acetophenone	NE	0.042	NE	0.0159 U	0.0159 U	--	0.0159 U	--
Anthracene	NE	1,800	9,600	0.00144 U	0.00144 U	0.00961 U	0.00144 U	0.0108 U
Atrazine	3	0.3	NE	0.0371 U	0.0371 U	--	0.0371 U	--
Benzaldehyde	NE	3,600	NE	0.0246 UJ	0.0246 UJ	--	0.0246 UJ	--
Benzo(a)anthracene	NE	0.092	0.0044	0.00415 U	0.00413 U	0.00961 U	0.00414 U	0.0108 U
Benzo(a)pyrene	0.2	0.0092	0.0044	0.00445 U	0.00444 U	0.00961 U	0.00444 U	0.0108 U
Benzo(b)fluoranthene	NE	0.092	0.0044	0.00276 U	0.00275 U	--	0.00275 U	--
Benzo(g,h,i)perylene	NE	NE	NE	0.00325 U	0.00323 U	0.00961 U	0.00324 U	0.0108 U
Benzo(k)fluoranthene	NE	0.92	0.0044	0.00363 U	0.00362 U	--	0.00362 U	--
Benzofluoranthenes	NE	NE	NE	--	--	0.0192 U	--	0.0217 U
Benzoic acid	NE	150,000	NE	0.019 U	0.0189 U	0.48 U	0.0189 U	0.542 U
Benzyl alcohol	NE	11,000	NE	0.0303 U	0.0302 U	0.0961 U	0.0302 U	0.108 U
Biphenyl	NE	300	NE	0.0104 UJ	0.0104 UJ	--	0.0104 UJ	--
bis(2-Chloroethoxy)methane	NE	NE	NE	0.0171 U	0.017 U	0.0961 U	0.017 U	0.108 U
bis(2-Chloroethyl)ether	NE	0.0098	0.031	0.018 UJ	0.0179 UJ	0.0961 U	0.018 UJ	0.108 U
bis(2-Chloroisopropyl)ether	NE	8.1	1,400	0.0199 U	0.0198 U	0.0961 U	0.0198 U	0.108 U
bis(2-Ethylhexyl)phthalate	6	4.8	1.8	0.0616 U	0.0614 U	0.0961 U	0.0614 U	0.108 U
Butylbenzylphthalate	NE	7,300	3,000	0.177 U	0.177 U	0.0961 U	0.177 U	0.108 U
Carbazole	NE	3.4	NE	0.0265 U	0.0264 U	--	0.0265 U	--
Caprolactam	NE	18,000	NE	1.039 UR	1.039 UR	--	1.039 UR	--
Chrysene	NE	9.2	0.0044	0.00233 U	0.00232 U	0.00961 U	0.00232 U	0.0108 U
Di-n-butylphthalate	NE	NE	2,700	0.219 U	0.218 U	0.0961 U	0.218 U	0.108 U
Di-n-octylphthalate	NE	730	NE	0.0322 U	0.0321 U	0.0961 U	0.0321 U	0.108 U
Dibenzo(a,h)anthracene	NE	0.0092	0.0044	0.00255 U	0.00254 U	0.00961 U	0.00255 U	0.0108 U
Dibenzofuran	NE	24	NE	0.0133 UJ	0.0132 UJ	0.0961 U	0.0132 UJ	0.108 U
Diethylphthalate	NE	29,000	23,000	0.055 U	0.0548 U	0.0961 U	0.0548 U	0.108 U
Dimethylphthalate	NE	360,000	313,000	0.0152 U	0.0151 U	0.0961 U	0.0151 U	0.108 U
Fluoranthene	NE	1,500	300	0.00179 U	0.00178 U	0.00961 U	0.00178 U	0.0108 U
Fluorene	NE	240	1,300	0.00129 U	0.00129 U	0.00961 U	0.00129 U	0.0108 U
Hexachlorobenzene	1	0.042	0.00075	0.019 UJ	0.0189 UJ	0.0961 U	0.0189 UJ	0.108 U
Hexachlorobutadiene	NE	0.86	0.44	0.0275 U	0.0274 U	0.0961 U	0.0274 U	0.108 U
Hexachlorocyclopentadiene	50	260	240	0.0246 UJ	0.0246 UJ	0.0961 U	0.0246 UJ	0.108 U
Hexachloroethane	NE	4.8	1.9	0.0379 UJ	0.0378 UJ	0.0961 U	0.0378 UJ	0.108 U
Indeno(1,2,3-cd)pyrene	NE	0.092	0.0044	0.00288 U	0.00287 U	0.00961 U	0.00288 U	0.0108 U
Isophorone	NE	71	36	0.0171 U	0.017 U	0.0961 U	0.017 U	0.108 U
n-Nitrosodiphenylamine	NE	14	5	0.00948 U	0.00944 U	0.0961 U	0.00945 U	0.108 U
n-Nitroso-di-n-propylamine	NE	0.0096	0.005	0.0199 U	0.0198 U	0.0961 U	0.0198 U	0.108 U
Naphthalene	NE	6.2	NE	0.00207 UJ	0.00207 UJ	0.024 U	0.00207 UJ	0.0271 U
Nitrobenzene	NE	3.4	17	0.0427 UJ	0.0425 UJ	0.0961 U	0.0425 UJ	0.108 U
Pentachlorophenol	1	0.56	NE	0.0161 U	0.0161 U	0.0961 U	0.0161 U	0.108 U
Phenanthrene	NE	NE	NE	0.00211 U	0.0021 U	0.00961 U	0.0021 U	0.0108 U
Phenol	NE	22,000	NE	0.0303 UJ	0.0302 UJ	0.0961 U	0.0302 UJ	0.108 U
Pyrene	NE	180	960	0.00129 U	0.00129 U	0.00961 U	0.00129 U	0.0108 U

Table B-7
Analytical Results of SVOCs in Groundwater Samples

Analyte	EPA MCLs ^a	EPA Region 9 Tap Water PRGs ^b	EPA AWQC ^c	MW-003 2/13/02	MW-303 2/13/02 Duplicate	MW-003 4/10/2003	MW-303 4/10/2003 Duplicate	MW-004 2/13/02	MW-004 4/11/2003
SVOCs (mg/L)									
1,2,4-Trichlorobenzene	70	190	260	--	--	0.0996 U	0.0962 U	--	0.0983 U
1,2-Dichlorobenzene	NE	370	2,700	--	--	0.0996 U	0.0962 U	--	0.0983 U
1,3-Dichlorobenzene	NE	52	400	--	--	0.0996 U	0.0962 U	--	0.0983 U
1,4-Dichlorobenzene	NE	8.1	400	--	--	0.0996 U	0.0962 U	--	0.0983 U
2,4,5-Trichlorophenol	NE	3,600	NE	0.108 U	0.11 U	0.0996 U	0.0962 U	0.112 U	0.0983 U
2,4,6-Trichlorophenol	NE	6.1	2.1	0.118 U	0.12 U	0.0996 U	0.0962 U	0.123 U	0.0983 U
2,4-Dichlorophenol	NE	110	NE	0.148 U	0.15 U	0.0996 U	0.0962 U	0.153 U	0.0983 U
2,4-Dimethylphenol	NE	730	NE	0.148 U	0.15 U	0.0996 U	0.0962 U	0.153 U	0.0983 U
2,4-Dinitrophenol	NE	73	NE	0.296 U	0.3 U	0.498 U	0.481 U	0.307 U	0.492 U
2,4-Dinitrotoluene	NE	73	0.11	0.128 U	0.13 U	0.0996 U	0.0962 U	0.133 U	0.0983 U
2,6-Dinitrotoluene	NE	36	NE	0.197 U	0.2 U	0.0996 U	0.0962 U	0.204 U	0.0983 U
2-Chloronaphthalene	NE	490	1,700	0.0134 U	0.0136 U	0.00996 U	0.00962 U	0.0139 U	0.00983 U
2-Chlorophenol	NE	30	NE	0.168 U	0.17 U	0.0996 U	0.0962 U	0.174 U	0.0983 U
2-Methylnaphthalene	NE	NE	NE	0.015 U	0.0152 U	0.0249 U	0.0241 U	0.0156 U	0.0241 U
2-Methylphenol	NE	1,800	NE	0.237 U	0.24 U	0.0996 U	0.0962 U	0.249 J	0.0983 U
2-Nitroaniline	NE	2.1	NE	0.178 U	0.18 U	0.0996 U	0.0962 U	0.184 U	0.0983 U
2-Nitrophenol	NE	NE	NE	0.217 U	0.22 U	0.0996 U	0.0962 U	0.225 U	0.0983 U
3,3'-Dichlorobenzidine	NE	0.15	0.04	0.355 U	0.36 U	0.0996 U	0.0962 U	0.368 U	0.0983 U
3- & 4-Methylphenol	NE	180	NE	0.227 U	0.23 U	0.199 U	0.192 U	2.8	0.197 U
3-Nitroaniline	NE	NE	NE	0.325 U	0.33 U	0.0996 U	0.192 U	0.337 U	0.197 U
4,6-Dinitro-2-methylphenol	NE	NE	NE	0.217 U	0.22 U	0.498 U	0.481 U	0.225 U	0.492 U
4-Bromophenylphenylether	NE	NE	NE	0.118 U	0.12 U	0.0996 U	0.0962 U	0.123 U	0.0983 U
4-Chloro-3-methylphenol	NE	NE	NE	0.533 U	0.54 U	0.0996 U	0.0962 U	0.552 U	0.0983 U
4-Chloroaniline	NE	150	NE	0.385 U	0.39 U	0.0996 U	0.0962 U	0.399 U	0.0983 U
4-Chlorophenylphenylether	NE	NE	NE	0.148 U	0.15 U	0.0996 U	0.0962 U	0.153 U	0.0983 U
4-Nitroaniline	NE	NE	NE	0.306 U	0.31 U	0.0996 U	0.0962 U	0.317 U	0.0983 U
4-Nitrophenol	NE	290	NE	0.286 U	0.29 U	0.498 U	0.481 U	0.297 U	0.492 U
Acenaphthene	NE	370	1,200	0.0155 U	0.0157 U	0.00996 U	0.00962 U	0.0161 U	0.00983 U
Acenaphthylene	NE	NE	NE	0.015 U	0.0152 U	0.00996 U	0.00962 U	0.0156 U	0.00983 U
Acetophenone	NE	0.042	NE	0.236 U	0.239 U	--	--	0.244 U	--
Anthracene	NE	1,800	9,600	0.015 U	0.0152 U	0.00996 U	0.00962 U	0.0156 U	0.00983 U
Atrazine	3	0.3	NE	0.549 U	0.557 U	--	--	0.57 U	--
Benzaldehyde	NE	3,600	NE	0.364 U	0.369 U	--	--	0.377 U	--
Benzo(a)anthracene	NE	0.092	0.0044	0.0431 U	0.0438 U	0.00996 U	0.00962 U	0.0447 U	0.00983 U
Benzo(a)pyrene	0.2	0.0092	0.0044	0.0463 U	0.047 U	0.00996 U	0.00962 U	0.048 U	0.00983 U
Benzo(b)fluoranthene	NE	0.092	0.0044	--	--	--	--	--	--
Benzo(g,h,i)perylene	NE	NE	NE	0.0338 U	0.0343 U	0.00996 U	0.00962 U	0.035 U	0.00983 U
Benzo(k)fluoranthene	NE	0.92	0.0044	--	--	--	--	--	--
Benzofluoranthenes	NE	NE	NE	0.0375 U	0.038 U	0.0199 U	0.0192 U	0.0389 U	0.0197 U
Benzoic acid	NE	150,000	NE	--	--	0.498 U	0.481 U	--	0.492 U
Benzyl alcohol	NE	11,000	NE	--	--	0.0996 U	0.0962 U	--	0.0983 U
Biphenyl	NE	300	NE	0.154 U	0.156 U	--	--	0.16 U	--
bis(2-Chloroethoxy)methane	NE	NE	NE	0.178 U	0.18 U	0.0996 U	0.0962 U	0.184 U	0.0983 U
bis(2-Chloroethyl)ether	NE	0.0098	0.031	0.207 U	0.19 U	0.0996 U	0.0962 U	0.194 U	0.0983 U
bis(2-Chloroisopropyl)ether	NE	8.1	1,400	0.187 U	0.21 U	0.0996 U	0.0962 U	0.215 U	0.0983 U
bis(2-Ethylhexyl)phthalate	6	4.8	1.8	0.641 U	0.65 U	0.0996 U	0.0962 U	0.665 U	0.0983 U
Butylbenzylphthalate	NE	7,300	3,000	1.84 U	1.87 U	0.0996 U	0.0962 U	1.91 U	0.0983 U
Carbazole	NE	3.4	NE	0.276 U	0.28 U	--	--	0.286 U	--
Caprolactum	NE	18,000	NE	--	--	--	--	--	--
Chrysene	NE	9.2	0.0044	0.0242 U	0.0245 U	0.00996 U	0.00962 U	0.0251 U	0.00983 U
Di-n-butylphthalate	NE	NE	2,700	2.28 U	2.31 U	0.0996 U	0.0962 U	2.36 U	0.0983 U
Di-n-octylphthalate	NE	730	NE	0.335 U	0.34 U	0.0996 U	0.0962 U	0.348 U	0.0983 U
Dibenzo(a,h)anthracene	NE	0.0092	0.0044	--	--	0.00996 U	0.00962 U	--	0.00983 U
Dibenzofuran	NE	24	NE	0.138 U	0.14 U	0.0996 U	0.0962 U	0.143 U	0.0983 U
Diethylphthalate	NE	29,000	23,000	0.572 U	0.58 U	0.0996 U	0.0962 U	0.593 U	0.0983 U
Dimethylphthalate	NE	360,000	313,000	0.158 U	0.16 U	0.0996 U	0.0962 U	0.164 U	0.0983 U
Fluoranthene	NE	1,500	300	0.0186 U	0.0188 U	0.00996 U	0.00962 U	0.0139 U	0.00983 U
Fluorene	NE	240	1,300	0.0134 U	0.0136 U	0.00996 U	0.00962 U	0.0139 U	0.00983 U
Hexachlorobenzene	1	0.042	0.00075	0.197 U	0.2 U	0.0996 U	0.0962 U	0.204 U	0.0983 U
Hexachlorobutadiene	NE	0.86	0.44	0.286 U	0.29 U	0.0996 U	0.0962 U	0.297 U	0.0983 U
Hexachlorocyclopentadiene	50	260	240	0.256 U	0.26 U	0.0996 U	0.0962 U	0.266 U	0.0983 U
Hexachloroethane	NE	4.8	1.9	0.394 U	0.4 U	0.0996 U	0.0962 U	0.409 U	0.0983 U
Indeno(1,2,3-cd)pyrene	NE	0.092	0.0044	0.03 U	0.0304 U	0.00996 U	0.00962 U	0.0311 U	0.00983 U
Isophorone	NE	71	36	0.178 U	0.18 U	0.0996 U	0.0962 U	0.184 U	0.0983 U
n-Nitrosodiphenylamine	NE	14	5	0.207 U	0.21 U	0.0996 U	0.0962 U	0.215 U	0.0983 U
n-Nitroso-di-n-propylamine	NE	0.0096	0.005	0.0986 U	0.1 U	0.0996 U	0.0962 U	0.102 U	0.0983 U
Naphthalene	NE	6.2	NE	0.0216 U	0.02 U	0.0249 U	0.0241 U	0.0224 U	0.0241 U
Nitrobenzene	NE	3.4	17	0.444 U	0.45 U	0.0996 U	0.0962 U	0.46 U	0.0983 U
Pentachlorophenol	1	0.56	NE	0.168 U	0.17 U	0.0996 U	0.0962 U	0.174 U	0.0983 U
Phenanthrene	NE	NE	NE	0.0219 U	0.0629 J	0.00996 U	0.00962 U	0.0227 U	0.00983 U
Phenol	NE	22,000	NE	0.316 U	0.32 U	0.0996 U	0.0962 U	0.497 J	0.0983 U
Pyrene	NE	180	960	0.0134 U	0.0136 U	0.00996 U	0.00962 U	0.0139 U	0.00983 U

Table B-7
Analytical Results of SVOCs in Groundwater Samples

Analyte	EPA MCLs ^a	EPA Region 9 Tap Water PRGs ^b	EPA AWQC ^c	MW-005 9/15/01	MW-005 4/10/2003	MW-006 9/15/01	MW-006 4/10/2003
SVOCs (mg/L)							
1,2,4-Trichlorobenzene	70	190	260	0.0163 UJ	0.0959 U	0.0151 UJ	0.0952 U
1,2-Dichlorobenzene	NE	370	2,700	0.0163 UJ	0.0959 U	0.0151 UJ	0.0952 U
1,3-Dichlorobenzene	NE	52	400	0.0173 UJ	0.0959 U	0.0161 UJ	0.0952 U
1,4-Dichlorobenzene	NE	8.1	400	0.0153 UJ	0.0959 U	0.0142 UJ	0.0952 U
2,4,5-Trichlorophenol	NE	3,600	NE	0.0104 U	0.0959 U	0.0104 U	0.0952 U
2,4,6-Trichlorophenol	NE	6.1	2.1	0.0114 U	0.0959 U	0.0114 U	0.0952 U
2,4-Dichlorophenol	NE	110	NE	0.0153 U	0.0959 U	0.0142 U	0.0952 U
2,4-Dimethylphenol	NE	730	NE	0.0153 U	0.0959 U	0.0142 U	0.0952 U
2,4-Dinitrophenol	NE	73	NE	0.0284 U	0.479 U	0.0284 U	0.476 U
2,4-Dinitrotoluene	NE	73	0.11	0.0123 U	0.0959 U	0.0123 U	0.0952 U
2,6-Dinitrotoluene	NE	36	NE	0.019 U	0.0959 U	0.0189 U	0.0952 U
2-Chloronaphthalene	NE	490	1,700	0.00129 UJ	0.00959 U	0.00129 UJ	0.00952 U
2-Chlorophenol	NE	30	NE	0.0173 U	0.0959 U	0.0161 U	0.0952 U
2-Methylnaphthalene	NE	NE	NE	0.00155 UJ	0.024 U	0.00144 UJ	0.0238 U
2-Methylphenol	NE	1,800	NE	0.0244 U	0.0959 U	0.0227 U	0.0952 U
2-Nitroaniline	NE	2.1	NE	0.0171 U	0.0959 U	0.017 U	0.0952 U
2-Nitrophenol	NE	NE	NE	0.0224 U	0.0959 U	0.0208 U	0.0952 U
3,3'-Dichlorobenzidine	NE	0.15	0.04	0.0341 UJ	0.0959 U	0.0341 UJ	0.0952 U
3- & 4-Methylphenol	NE	180	NE	0.0234 U	0.192 U	0.0218 U	0.19 U
3-Nitroaniline	NE	NE	NE	0.0313 U	0.192 U	0.0312 U	0.19 U
4,6-Dinitro-2-methylphenol	NE	NE	NE	0.0209 U	0.479 U	0.0208 U	0.476 U
4-Bromophenylphenylether	NE	NE	NE	0.0114 U	0.0959 U	0.0114 U	0.0952 U
4-Chloro-3-methylphenol	NE	NE	NE	0.0549 U	0.0959 U	0.0511 U	0.0952 U
4-Chloroaniline	NE	150	NE	0.0397 UJ	0.0959 U	0.0369 UJ	0.0952 U
4-Chlorophenylphenylether	NE	NE	NE	0.0142 UJ	0.0959 U	0.0142 UJ	0.0952 U
4-Nitroaniline	NE	NE	NE	0.0294 U	0.0959 U	0.0293 U	0.0952 U
4-Nitrophenol	NE	290	NE	0.0275 UJ	0.479 U	0.0274 UJ	0.479 U
Acenaphthene	NE	370	1,200	0.00160 U	0.00959 U	0.00149 U	0.00952 U
Acenaphthylene	NE	NE	NE	0.00155 U	0.00959 U	0.00144 U	0.00952 U
Acetophenone	NE	0.042	NE	0.0159 U	--	0.0159 U	--
Anthracene	NE	1,800	9,600	0.00155 U	0.00959 U	0.00144 U	0.00952 U
Atrazine	3	0.3	NE	0.0371 U	--	0.0371 U	--
Benzaldehyde	NE	3,600	NE	0.0246 UJ	--	0.0246 UJ	--
Benzo(a)anthracene	NE	0.092	0.0044	0.00445 U	0.00959 U	0.00414 U	0.00952 U
Benzo(a)pyrene	0.2	0.0092	0.0044	0.00478 U	0.00959 U	0.00444 U	0.00952 U
Benzo(b)fluoranthene	NE	0.092	0.0044	0.00296 U	--	0.00276 U	--
Benzo(g,h,i)perylene	NE	NE	NE	0.00348 U	0.00959 U	0.00324 U	0.00952 U
Benzo(k)fluoranthene	NE	0.92	0.0044	0.0039 U	--	0.00362 U	--
Benzofluoranthenes	NE	NE	NE	--	0.0192 U	--	0.0192 U
Benzoic acid	NE	150,000	NE	0.0203 U	0.479 U	0.0189 U	0.584 J
Benzyl alcohol	NE	11,000	NE	0.0326 U	0.0959 U	0.0303 U	0.558 J
Biphenyl	NE	300	NE	0.0104 UJ	--	0.0104 UJ	--
bis(2-Chloroethoxy)methane	NE	NE	NE	0.0183 U	0.0959 U	0.017 U	0.0952 U
bis(2-Chloroethyl)ether	NE	0.0098	0.031	0.018 UJ	0.0959 U	0.0199 UJ	0.0952 U
bis(2-Chloroisopropyl)ether	NE	8.1	1,400	0.0214 U	0.0959 U	0.018 U	0.0952 U
bis(2-Ethylhexyl)phthalate	6	4.8	1.8	0.0661 U	0.0959 U	0.0615 U	0.0952 U
Butylbenzylphthalate	NE	7,300	3,000	0.19 U	0.0959 U	0.177 U	0.0952 U
Carbazole	NE	3.4	NE	0.0285 U	--	0.0265 U	--
Caprolactum	NE	18,000	NE	1.039 UR	--	1.039 UR	--
Chrysene	NE	9.2	0.0044	0.0025 U	0.00959 U	0.00232 U	0.00952 U
Di-n-butylphthalate	NE	NE	2,700	0.235 U	0.0959 U	0.219 U	0.0952 U
Di-n-octylphthalate	NE	730	NE	0.0346 U	0.0959 U	0.0322 U	0.0952 U
Dibenzo(a,h)anthracene	NE	0.0092	0.0044	0.00274 U	0.00959 U	0.00255 U	0.00952 U
Dibenzofuran	NE	24	NE	0.0142 UJ	0.0959 U	0.0132 UJ	0.0952 U
Diethylphthalate	NE	29,000	23,000	0.059 U	0.0959 U	0.0549 U	0.0952 U
Dimethylphthalate	NE	360,000	313,000	0.0163 U	0.0959 U	0.0151 U	0.0952 U
Fluoranthene	NE	1,500	300	0.00192 U	0.00959 U	0.00178 U	0.00952 U
Fluorene	NE	240	1,300	0.00138 U	0.00959 U	0.00129 U	0.00952 U
Hexachlorobenzene	1	0.042	0.00075	0.0203 UJ	0.0959 U	0.0189 UJ	0.0952 U
Hexachlorobutadiene	NE	0.86	0.44	0.0295 U	0.0959 U	0.0274 U	0.0952 U
Hexachlorocyclopentadiene	50	260	240	0.0264 UJ	0.0959 U	0.0246 UJ	0.0952 U
Hexachloroethane	NE	4.8	1.9	0.0407 UJ	0.0959 U	0.0378 UJ	0.0952 U
Indeno(1,2,3-cd)pyrene	NE	0.092	0.0044	0.0031 U	0.00959 U	0.00288 U	0.00952 U
Isophorone	NE	71	36	0.0183 U	0.0959 U	0.017 U	0.0952 U
n-Nitrosodiphenylamine	NE	14	5	0.01020 U	0.0959 U	0.00946 U	0.0952 U
n-Nitroso-di-n-propylamine	NE	0.0096	0.005	0.0214 U	0.0959 U	0.0199 U	0.0952 U
Naphthalene	NE	6.2	NE	0.00222 UJ	0.024 U	0.00207 UJ	0.0238 U
Nitrobenzene	NE	3.4	17	0.0458 UJ	0.0959 U	0.0426 UJ	0.0952 U
Pentachlorophenol	1	0.56	NE	0.0173 U	0.0959 U	0.0161 U	0.0952 U
Phenanthrene	NE	NE	NE	0.00226 U	0.00959 U	0.0021 U	0.00952 U
Phenol	NE	22,000	NE	0.0326 UJ	0.0959 U	0.0303 UJ	0.0952 U
Pyrene	NE	180	960	0.00138 U	0.00959 U	0.00129 U	0.00952 U

Table B-7
Analytical Results of SVOCs in Groundwater Samples

Analyte	EPA MCLs ^a	EPA Region 9 Tap Water PRGs ^b	EPA AWQC ^c
SVOCs (mg/L)			
1,2,4-Trichlorobenzene	70	190	260
1,2-Dichlorobenzene	NE	370	2,700
1,3-Dichlorobenzene	NE	52	400
1,4-Dichlorobenzene	NE	8.1	400
2,4,5-Trichlorophenol	NE	3,600	NE
2,4,6-Trichlorophenol	NE	6.1	2.1
2,4-Dichlorophenol	NE	110	NE
2,4-Dimethylphenol	NE	730	NE
2,4-Dinitrophenol	NE	73	NE
2,4-Dinitrotoluene	NE	73	0.11
2,6-Dinitrotoluene	NE	36	NE
2-Chloronaphthalene	NE	490	1,700
2-Chlorophenol	NE	30	NE
2-Methylnaphthalene	NE	NE	NE
2-Methylphenol	NE	1,800	NE
2-Nitroaniline	NE	2.1	NE
2-Nitrophenol	NE	NE	NE
3,3'-Dichlorobenzidine	NE	0.15	0.04
3- & 4-Methylphenol	NE	180	NE
3-Nitroaniline	NE	NE	NE
4,6-Dinitro-2-methylphenol	NE	NE	NE
4-Bromophenylphenylether	NE	NE	NE
4-Chloro-3-methylphenol	NE	NE	NE
4-Chloroaniline	NE	150	NE
4-Chlorophenylphenylether	NE	NE	NE
4-Nitroaniline	NE	NE	NE
4-Nitrophenol	NE	290	NE
Acenaphthene	NE	370	1,200
Acenaphthylene	NE	NE	NE
Acetophenone	NE	0.042	NE
Anthracene	NE	1,800	9,600
Atrazine	3	0.3	NE
Benzaldehyde	NE	3,600	NE
Benzo(a)anthracene	NE	0.092	0.0044
Benzo(a)pyrene	0.2	0.0092	0.0044
Benzo(b)fluoranthene	NE	0.092	0.0044
Benzo(g,h,i)perylene	NE	NE	NE
Benzo(k)fluoranthene	NE	0.92	0.0044
Benzofluoranthenes	NE	NE	NE
Benzoic acid	NE	150,000	NE
Benzyl alcohol	NE	11,000	NE
Biphenyl	NE	300	NE
bis(2-Chloroethoxy)methane	NE	NE	NE
bis(2-Chloroethyl)ether	NE	0.0098	0.031
bis(2-Chloroisopropyl)ether	NE	8.1	1,400
bis(2-Ethylhexyl)phthalate	6	4.8	1.8
Butylbenzylphthalate	NE	7,300	3,000
Carbazole	NE	3.4	NE
Caprolactam	NE	18,000	NE
Chrysene	NE	9.2	0.0044
Di-n-butylphthalate	NE	NE	2,700
Di-n-octylphthalate	NE	730	NE
Dibenzo(a,h)anthracene	NE	0.0092	0.0044
Dibenzofuran	NE	24	NE
Diethylphthalate	NE	29,000	23,000
Dimethylphthalate	NE	360,000	313,000
Fluoranthene	NE	1,500	300
Fluorene	NE	240	1,300
Hexachlorobenzene	1	0.042	0.00075
Hexachlorobutadiene	NE	0.86	0.44
Hexachlorocyclopentadiene	50	260	240
Hexachloroethane	NE	4.8	1.9
Indeno(1,2,3-cd)pyrene	NE	0.092	0.0044
Isophorone	NE	71	36
n-Nitrosodiphenylamine	NE	14	5
n-Nitroso-di-n-propylamine	NE	0.0096	0.005
Naphthalene	NE	6.2	NE
Nitrobenzene	NE	3.4	17
Pentachlorophenol	1	0.56	NE
Phenanthrene	NE	NE	NE
Phenol	NE	22,000	NE
Pyrene	NE	180	960

Notes:

- a - EPA National Primary Drinking Water Regulations, Current Drinking Water Standards (MCLs), 2001.
 - b - EPA Region 9 PRGs (tap water), November 2000.
 - c - EPA National Recommended Water Quality Criteria - Correction, April 1999 (Water + Organism)
- Detected analytes are in bold print
 Detections exceeding screening values are outlined
- ca - carcinogen
 - D - value derived from a dilution
 - EPA - U.S. Environmental Protection Agency
 - J - value estimated
 - max - maximum soil contamination level
 - MCL - maximum contaminant level
 - mg/L - milligram per liter
 - µg/L - microgram per liter
 - nc - noncarcinogen
 - NE - not established
 - OAR - Oregon Administrative Rules
 - ODEQ - Oregon Department of Environmental Quality
 - PRG - preliminary remediation goal
 - R - value is rejected
 - sat - saturated soil
 - U - not detected
 - VOCs - volatile organic compounds